

10-06-03

PATENT APPLICATION

ATTORNEY DOCKET NO. 10010381-1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Lefkowitz et al.

Serial No.: 09/944,083

Filing Date: 08/31/2001

Examiner: My Chau T Tran

Group Art Unit: 1639

Title: Methods for Generating Ligand Arrays Via Deposition of Ligands onto Olefin Displaying Substrates and Arrays Produced Thereby

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment (X) Petition to extend time to respond
(X) New fee as calculated below () Supplemental Declaration
() No additional fee (Address envelope to "Mail stop Non-Fee Amendments")
(X) Other: New Decl and Power of Attorney, Consent of Assignee to (fee \$ 130.00)
Inventorship Change on an Application, Postcard

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$18	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$84	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$410.00	3RD MONTH \$930.00	4TH MONTH \$1450.00		\$ 110
	X					
OTHER FEES						\$ 130
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 240

Charge \$ 240 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

"Express Mail" label no. EL984075155US

Date of Deposit 10-02-2003

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By

Typed Name: Donna Macedo

Respectfully submitted,

Lefkowitz et al.

By

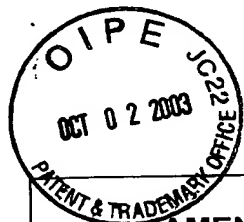
Bret Field for Gordon Stewart

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AMENDMENT AND RESPONSE	Application Number	09/944,083
	Attorney Docket Number	10010381-1
	Filing Date	August 31, 2001
	First Named Inventor	Lefkowitz
	Examiner	My Chau T Tran
	Group Art	1639
	Confirmation number	1180
	Title	Methods for Generating Ligand Arrays Via Deposition of Ligands onto Olefin Displaying Substrates, and Arrays Produced Thereby

Sir:

In response to FINAL REJECTION dated June 2, 2003, the Examiner is respectfully requested to enter the following amendments:

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OCT 15 2003

TECH CENTER 1600/2900

AMENDMENTS

IN THE INVENTORSHIP:

Please amend the inventorship to include Charles Z. Hotz as an inventor.

IN THE SPECIFICATION:

Page 1, immediately below the title, please insert:

-- CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority to United States Patent Application Serial No. 09/145,015 filed September 1, 1998 and now issued as U.S. Patent No. 6,258,454; the disclosure of which is herein incorporated by reference.--

IN THE CLAIMS:

Claims 1-6. (Canceled)

7. (Currently Amended) A method of producing an array of at least two different polymer ligands covalently attached to a surface of a substrate, said method comprising:

(a) providing a substrate having a surface displaying olefin functional groups that consist of a single site of unsaturation by contacting said surface with a derivatizing composition comprising at least a first silane having an olefin functional group;

(b) converting said olefin functional groups to ligand reactive functional groups that produce covalent bonds with said at least two different polymer ligands upon contact with said ligands; and

(c) contacting said surface with said at least two different polymer ligands to covalently bond said at least two different polymer ligands to said surface and produce said array.

8. (Original) The method according to Claim 7, wherein said polymer ligands